

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9

ZDAN'SKI, K. [Zdanski, K.]

Universal hydraulic loader "Tarpan" H-32. Stroi. i dor. mash.
10 no.8:16-17 Ag '65. (MIRA 18:9)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9"

L 10463-66	EWT(1)/EWT(m)/EPF(n)-2	IJP(c)	WW/GG
ACC NR:	AP6002046	SOURCE CODE:	GE/0030/65/012/002/K085/K087
44,55	44,55	51 B	
AUTHOR:	Zdansky, K.; Sroubek, Z.	44,55	
ORG:	Institute of Radio Engineering and Electronics of the Czechoslovak Academy of Sciences, Prague		
TITLE:	Electron spin resonance of NO ₃ in irradiated NaNO ₃ 19,14,55		
SOURCE:	Physica status solidi, v. 12, no. 2, 1965, K85-K87		
TOPIC TAGS:	spin resonance, electron spin resonance, single crystal, irradiation 21,11,55		
ABSTRACT:	The EPR of NaNO ₃ single crystals irradiated with x-rays (40 kv; 25 ma) for 1 to 2 hours was investigated. Pure NaNO ₃ crystals were grown from aqueous solutions by slow evaporation at 30C. The spectra were measured at 77K with an x-band electron spin resonance spectrometer having a magnetic field modulation at about 900 kcps. The magnetic field was parallel and perpendicular to the rhombohedral [111] crystal axis. The intensity of the spectrum obtained corresponded to about 10 ¹⁷ species per cm ³ . After short-time annealing at about 200K, followed by cooling to 77K, the spectrum of NO ₃ disappeared completely. The EPR spectrum obtained was attributed to NO ₃ for the following reasons: 1) The hyperfine interaction of the unpaired electron with the nitrogen nucleus ¹⁴ N was small. 2) The unpaired electron of planar or pyramidal axially symmetric NO ₃ was in the nonbonding molecular orbital. This non-bonding molecular orbital was a linear combination of oxygen atomic orbitals only.		
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Consequently, the nitrogen hyperfine interaction given by the exchange polarization is zero or very small. The simplest interpretation of this spectrum is that NO_3^- loses an electron due to x-irradiation and thus is transformed into planar or pyramidal axially symmetric NO_3^- . Orig. art. has: 1 figure and 1 table. [JA]

SUB CODE: 20, 18 SUBM DATE: 18Oct65/ ORIG REF: 001/ OTH REF: 005/ ATD PRESS: 4167

H W

Card 2/2

ZDANSKI, Vladan, inz. (Beograd, Stevana Visokog 4, III)

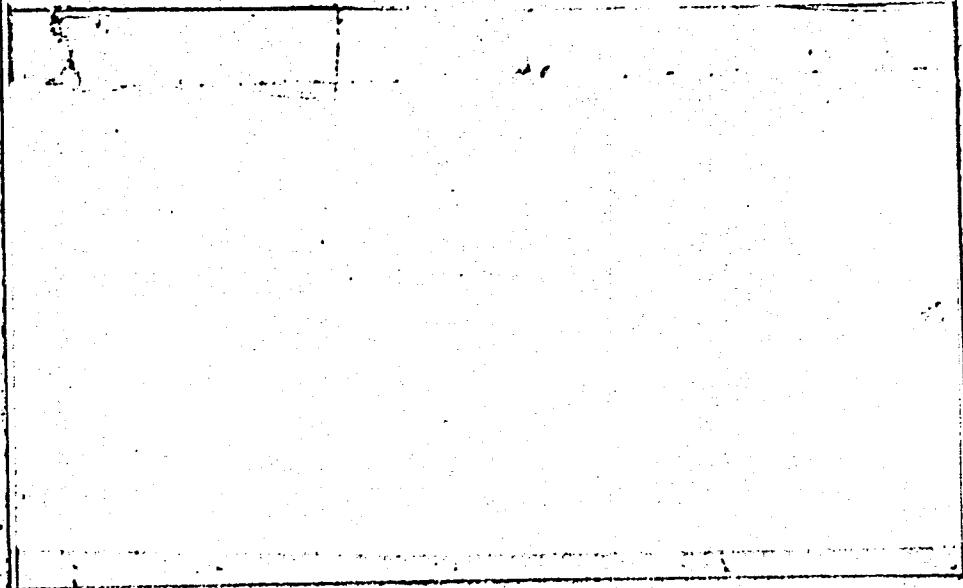
Hydromechanical equipment of sluices. Brodarstvo 4 no.15
668-672 Ap-Je '62.

EXCERPTA MEDICA Sec 6 Vol 13/3 Internal Med. Mar 59

1462. PULMONARY X-RAY FINDINGS IN THE INFLUENZA EPIDEMIC 1957 -
Die Lungenröntgenbefunde bei der Grippe 1957 - Zdansky E. - PRAXIS
1958, 47/6 (150-151)

Focal pneumonias occurred most often, sometimes confluent, occasionally also suppurative. Atelectases, caused by stenoses of the bronchial branches, were often found and diffusely dispersed small-focal condensations in both lungs; the latter occurred especially in elderly patients with emphysema. In heart failure large infarctions were observed as manifestation of serous inflammation.

Gsell - Basle (L, 6, 15)



2/0055/64/014/002/0121/0129

ACCESSION NR: AP4018175

AUTHOR: Zdansky, K.; Sroubek, Z.

TITLE: Paramagnetic resonance in irradiated Sr(NO₃)₂

SOURCE: Chekhosl. fiz. zhurnal, v. 14, no. 2, 1964, 121-129

TOPIC TAGS: paramagnetic resonance, nitrate ion, single crystal, gamma-irradiation
1/2-spin, anisotropic g-factor, free-electron value, molecular orbital

ABSTRACT: Thus far the paramagnetic resonance of irradiation products of the nitrate ion has been observed in KCl, KBr and KI single crystals obtained from the melt doped with NaNO₃. The two authors irradiated a pure single crystal of strontium nitrate with different doses of gamma-irradiation from a Co⁶⁰ source, and at room temperature observed the paramagnetic resonance of several centers having 1/2-spin and an anisotropic g-factor of nearly free-electron value. The intensity of the centers depended differently on the irradiation time. The presence of the M¹⁴ hyperfine structure, the axial symmetry and the angle between the molecular and the crystal axis suggested that the centers are irradiation products of the nitrate ions. To interpret the centers, they calculated the molecular orbitals of

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ACCESSION NR: AP4018175

NO₃ by the MO-LCAO method, and deduced the number of electrons (holes) trapped on an NO₃ ion by irradiation from the magnitude of the hyperfine structure and g-factor deviations. "The authors would like to thank L. Kratena for experimental assistance and E. Simanek for reading the manuscript." Original has 2 diagrams, 3 graphs, 3 tables (molecular orbitals for planar and pyramidal NO₃) and 5 numbered equations.

ASSOCIATION: Institute of Radio Engineering and Electronics, Czechoslovak Academy of Sciences, Prague

SUMMITTED: 04Jul63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: NS

NO REF Sov: 000

OTHER: 015

Card 2/2

ZDANSKY, K.; SROUBEK, Z.

Paramagnetic resonance in irradiated $\text{Sr}(\text{NO}_3)_2$ single crystal.
Chekhosl fiz zhurnal 14 no.2:121-129 '64.

1. Institute of Radio Engineering and Electronics,
Czechoslovak Academy of Sciences, Praha 8, Lumumbova 1.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9

ZDANSKI, Franciszek, mgr inż.

Economic effects of the grassland meliorations near Zarnowiec in
the Pilica River Valley. Gosp wodna 25 no.2;65-66 F '65.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9"

ACCESSION NO: AP4040090

AUTHOR: Adansky, K.; Sroubek, Z.

TITLE: Paramagnetic resonance of NO_3^{2-} in two isostuctural cubic crystals of lead nitrate and strontium nitrate

SOURCE: *Physica status solidi*, v. 7, no. 1, 1964, 167-172

TOPIC CODE: paramagnetic resonance, lead nitrate, strontium nitrate, iso-

structural crystal, cubic crystal

ABSTRACT: $\text{Pb}(\text{NO}_3)_2$ and $\text{Sr}(\text{NO}_3)_2$ were irradiated with x-rays
at room temperature. The crystals were grown
from aqueous solution at 200. The spectra of the ions were measured

the directions of their government

Card 1/2

L 14547-65
ACCESSION NR: AP4046693

2 formulas, and 2 tables.

ASSOCIATION: Institute of Radio Engineering and Electronics, Czechoslovak
Academy of Sciences, Prague

SUBMITTED: 09Jul64

ENCL: 00

SUB CODE: SS, NP

NO REF SOF: 000

OTHER: 005

Card 2/2

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9

ZDAN'SKI, K.

Tractor and agricultural machinery manufacture in the Polish People's
Republic. Trakt. i sel'khozmash. no.7:20-22 Jl '64. (MTRA 18:7)

SROUBEK, Z.; ZDANSKY, K.

Paramagnetic resonance of an F-center in nonstoichiometric
BaTiO₃. Chekhosl fiz. zhurnal 13 no.4:309-310 '63.

1. Ustav radiotechniky a elektroniky, Ceskoslovenska akademie
ved, Praha.

36320
Z/039/62/023/005/002/004
D291/D301

9,4230

AUTHORS: Šroubek, Zdeněk, and Ždánský, Karel, Engineers

TITLE: Frequency stabilization of a klystron in a superhetero-
dyne paramagnetic spectrometer

PERIODICAL: Slaboproudý obzor, v. 23, no. 5, 1962, 258 - 261

TEXT: The article deals with a simple method of stabilizing the frequency of a klystron by an external standard cavity, suitable especially for a superheterodyne paramagnetic spectrometer. This method uses frequency modulation of the klystron where the modulation frequency is higher than the width of the resonance curve of the cavity. The Fourier analysis is used in the calculation and it is shown that the amplitude modulation, originating in the cavity by conversion of the klystron frequency modulation, has two components, one in phase, the other shifted 90 deg. vs. the modulation voltage on the klystron repeller. This shifted phase component is especially suitable for stabilization, and proper adjustment of phase conditions permits partial or total elimination of the influence exerted by parasitic amplitude modulation of the klystron. The efficiency

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Frequency stabilization of a ...

of the stabilization system has been tested in superheterodyne spectrometer, operating on 9,600 Mc, at a selected modulation frequency of 35 Mc and an electronic connection similar to the circuitry of an RF stabilizer described by V.R. Pound (Ref. 1: Rev. Sci. Instrum. 17, 1946, p. 490). The signal of the separation amplifier, rather than being fed to the modulation diode, is fed to the voltage divider and then to the klystron repeller. The repeller RF voltage is selected to correspond to a frequency-modulation index of $m_f = 1/35$. When adjusting the stabilization conditions, it is of

advantage to switch off the RF amplifier with the aid of a shortening push button in the final amplifier stage. A precise adjustment of the phase discriminator to the sinusoidal component is accomplished by a slight detuning of the tuned circuit in the anode of the separation amplifier which amplifies the reference voltage for the phase discriminator. Provided the RF amplifier is switched-off and the attenuator in front of the cavity is set at 5 dB, the entire circuit is simply stabilized, if the potentiometer in the anode of the phase discriminator is first adjusted in a way that the d.c. voltage of the repeller corresponds to the peak of the working mode.

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Frequency stabilization of a ...

The indicator is a milliammeter with a range of 1 mA at the amplifier input. The standard cavity is then tuned in such a way that the milliammeter deflection is minimum, at which particular moment the stabilization loop is closed by releasing the push button in the RF amplifier. The attenuator is finally set for minimum attenuation. The time constant in the anode of phase discriminator is 0.22 sec., the stabilization gain of the loop at zero frequency is approximately 2,500 and decrease to half at a frequency of 400 cps. There are 3 figures. The most recent English-language publication is: J.C. Slater: Microwave electronics. New York, 1957.

ASSOCIATION: Ústav radiotechniky a elektroniky ČSAV (Radio-Engineering and Electronics Institute, Czechoslovak AS)

SUBMITTED: January 23, 1962

Card 3/3

9.15.74

Ždánský, Karel (Praha)

AUTHOR:

23531
Z/028/61/000/003/001/002
D219/D301

TITLE:

Masers based on para-magnetic electron resonance
in solid materialsPERIODICAL: Pokroky matematiky, fyziky a astronomie, no. 3,
1961, 137 - 149TEXT: The article describes masers with paramagnetic crystals
as amplifying material. Maser work by stimulated radiation
emission in the region of 300 Mc/s to 10,000 Mc/s, with a gain
of 1000 and a bandwidth of a few Mc/s only.

$$E_2 - E_1 = h\nu_0 \quad \text{is Bohr's condition}$$

(1)

where E_2 and E_1 are the energy levels; h is Planck's constant;
and ν_0 the resonance - frequency. An electron moving around its
nucleus behaves like a magnetic dipole placed in the nucleus.
An atom containing more than one electron has them so arranged

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Masers based on... that the resulting momentum equals \emptyset . However, in some atoms, (containing Fe, Ni etc.) due to the strong action between electrons, the atom maintains its own momentum. Crystals, even if it is in strong interaction with other atoms. Crystals containing these atoms are paramagnetic (or ferromagnetic). As a result, if the orbital dipole momentum is quenched it has mainly a spin momentum; this is important in masers. Considering an atom with a spin, described by vector μ , the resulting force acts in the direction of H , the actual direction is determined by $\mu \times H$ so that:

$$(2) v_0 = \frac{\gamma H}{2\pi} - \text{precession with Larmorov-frequency}$$

The author also introduced (γ is the geodynamic ratio) (see Fig.2) frequency v_0 ; its magnetic field with a polarized electromagnetic wave moves at $\mu \times H_1$, tending to change the angle θ (between μ and H). This angle can only

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Masers based on...

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assume certain definite quanta, every quantum corresponds to certain energy levels, the result is forced emission (absorbtion). The number of possible turns of the vector μ against the field H depends on the magnitude of the spin. Designating it S , it is $2S + 1$ (see Fig. 3). Fig. 4 shows the spin energy in relation to the magnetic field H . A more complex situation arises if there is an electric field of the atoms (apart from the external magnetic field). Fig. 5 shows the spin energy in relation to the field H in the presence of a strong crystal field. Here it is impossible to talk about definite position in relation to H , as the spin changes. This state enables transfer between different (not neighbouring) levels. In reality conditions are even more complex, as one never deals with single atoms. The nuclei are not at rest, but oscillate and the amplitude depends on the temperature. Over a period, equilibrium is reached. The most likely distribution is Boltzmann's;

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$$\frac{N_i}{N} = \frac{e^{-E_i/kT}}{\sum_j e^{-E_j/kT}}. \quad (3)$$

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Masers based on...

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where N_i is the number of spins with energy E_i , and N is the total number of spins in the crystal. T is the temperature in K; and k is Boltzmann's constant. So that the number of induced emissions is the same as the number of induced absorptions if there is no amplification. For amplification

$E_i > E_j$, there has to be $N_i > N_j$. (4)
It is impossible to work exactly at resonant frequency as expressed by the principle of indetermination in D.I. Blochincev (Ref. 3: Zaklady kvantove mechaniky)

$$\Delta x \cdot \Delta p_x \approx h, \text{ and} \quad (5)$$

$$\Delta E \cdot \Delta t \approx h, \quad (6)$$

In the paramagnetic crystal the interactions of the spins cause even more widening, again controlled by the indetermination.

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Masers based on...

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D219/D301

The temperature of the spin system T_s ($S = \frac{1}{2}$) defined according to Boltzmann..

$$\frac{N_1}{N_2} = e^{-\frac{E_1 - E_2}{kT_s}}$$

(7)

showing the need for negative temperatures. The two - level maser uses for the emission only two spin levels. The three - level maser uses crystals with 3 energy levels ($S > \frac{1}{2}$). There are 8 figures and 14 references: 2 Soviet-bloc and 12 non-Soviet-bloc. The references to the English-language publications read as follows: Makhov, Kikuchi Lambe, Terhune: Phys. Rev. 109 (1958) 1399; Maiman: Journal of applied physics 31 (1960) 222; Blombergen, Shapiro, Pershan, Artman: Phys. Rev. 114 (1959) 445; Shapiro, Blombergen, Phys. Rev. (1959) 1453.

Card 5/7

ZDANYEVICH, K.S.

New method for the extirpation of spinal ganglia. Fiziol.zhur.
(Ukr.) 1 no.1:124-125 Ja-F '55. (MLRA 9:9)

1. Bilotserkiv's'kiy sil'skogospodars'kiy insitut, Kafedra
gistologii ta embriologii.
(SPINAL CORD--SURGERY)

MESKAUSKAS, Viktoras; SEGALIS, Girsas; ZDANYS, Yurgis; JUSKIENE, E.,
red.; ANAITIS, J., tekhn. red.

[Reference manual on industrial electrotechnology] Pramo-
nines elektrotechnikos žinynas. Vilnius, Valstybinė politinės
ir mokslinės literatūros leidykla, 1962. 341 p.

(MIRA 16:7)

(Electric engineering)

KHRICHENKO, Yevgeniy Prokof'yevich, kand. tekhn. nauk; NEVZOROV, Aleksandr Ivanovich, kand. tekhn. nauk; ZDANYUKEVICH, A.K., red.; LOSEVA, G.F., red. izd-va; PUKHLIKOVА, N.A., tekhn. red.

[Using copying techniques for increasing the precision of machining working portion of propeller blades] Povyshenie tochnosti obrabotki kopirovaniem pera lopasti vozdukhogo vinta. Moskva. gos. izd-vo obor. prom. 1957. 43 p. (Moscow. Aviatsionnyi institut. Trudy, no.96).
(Propellers, Aerial) (MIRA 11:5)

ZDARA, M., MUDr Okresni hygienik, Vrchlabi.

Regional hygienist and his relation with a district physician.

Prakt. lek., Praha 34 no.11:258 5 June 54.

(PUBLIC HEALTH,

in Czech., role of hyg. in district system)

(HYGIENE,

in Czech., role in pub. health district system)

Zdarek's, Josef

Prehled technicke matematiky (Survey of Technical Mathematics);
a book review. P. 89
CASOPIS PRO PESTOVANI MATEMATIKY. (Ceskoslovenska akademie ved.
Matematicky ustav) Praha
Vol. 81, no. 1, Apr. 1956
4th Congress of Czechoslovak Mathematicians; proceedings. P. 91

Source: EEAL - LC Vol. 5. No. 10 Oct. 1956

ZAVAZAL, Vladimir, Prim., MUDr.; ZDARIL, Jaroslav, MUDr.; Technicka
spoluprace: Zdena Konstantova.

Epidemiology and prevention of tetanus. II. Carriers of Plectridium
tetani in humans. Sborn. lek. 58 no.7:161-164 Sept 56.

1. Ustav pro mikrobiologii Lekarske fakulty v Praze, pob. v Plzni,
prednosta doc. Dr. Vladimir Wagner- Infekeni oddeleni KUNZ v Plzni,
prednosta Dr. Jaroslav Zdaril.

(CLOSTRIDIUM TETANI,
intestinal incidence in humans (Cz))

(INTESTINES, bacteriology,
Clostridium tetani, incidence in humans (Cz))

ZDARIL, Jaroslav, Prim., MUDr.; ZAVAZAL, Vladimir, MUDr.

Epidemiology and prevention of tetanus. III. Postoperative tetanus by autoinfection. Sborn. lek. 58 no.7:165-168 Sept 56.

1. Infekteni oddeleni KUNZ v Plzni, prednosta MUDr. J. Zdaril -
Ustav pro lekarskou mikrobiologii Lek. fakulty KU v Praze, pobocka
v Plzni, prednosta doc. Dr. Vlad. Wagner.

(TETANUS, etiol. & pathogen.

postop. tetanus caused by autoinfect. after rectal surg.

(Cz))

(SURGERY, OPERATIVE, compl.

postop. autoinfect. tetanus after rectal surg. (Cz))

3. Resistance of certain antibiotics and chemotherapeutics

Resistance to

were sensitive only to I or to Sulfonamides. More than a
half of the groups of the bacteria were resistant to the ef /

ZDARIL, JAROSLAV

WAGNER, Vladimir.; ZDARIL, Jaroslav

Generalized immunotoxicosis.
Sborn. lek., 58 no.3;69-76 Mar 56.

1. Techicka spoluprace Maria Motlikova, Zustavy pro lekarskou
mikrobiologii a imunologii v Plzni Z infekcniho oddeleni KUNZ v
Plzni.

(ALLERGY
immunotoxicosis, ther., ACTH, phenylbutazone & sodium
salicylate)

(ACTH, ther. use
immunotoxicosis, with phenylbutazone & sodium salicylate)

(ANALGESICS, ther. use
phenylbutazone in immunotoxicosis, with ACTH &
sodium salicylate)

(SODIUM SALICYLATE, ther. use
immunotoxicosis, with ACTH & phenylbutazone)

ZDARIL, L. - Vol. 3, no. 2, Feb. 1955. STROJIRENSKA VYROBA

New mechanical toys. p. 45.

SO: Monthly list of East European Accessions, (HEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

X1
2
KUBIČKOVÁ, Olga; ZDÁŘIL, Jaroslav; FRANK, Miloslav, MD

Czechoslovakia

Infection Clinic of the State Faculty Hospital -- Pilsen
(Infekční klinika Státní fakultní nemocnice -- Plzeň);
Head: (V. PALISA), Docent MD; OHES Pilsen-North (OHES
Plzeň-sever); District hygienist: M. Frank, MD -
(for all)

Prague, Vnitřní lékařství, No IX-2, 1963, pp 169-172

"A Case of Brill-Zinsser's Disease in the West Bohemian
District."

ZDARIL, J.; KOUTSKA, A.

ZDARIL, J.; KOUTSKA, A. Methods for the magnetic treatment of local low-grade ores, p. 366.

Vol. 1, No. 12, Dec. 1956
NOVA TECHNICAL
TECHNOLOGY
Czechoslovakia

So. East European Accessions, Vol. 6, No. 5, May 1957

PALISA, V.; VALCHOVA, M.; FENCL, V.; ZDARIL, J.

An atypical case of botulism. Bratisl. lek. listy 1 no.12:
711-714 '64

1. Klinika nemoci infekcni KU [Karlov university] v Plzni
(vedouci: doc. MUDr. V.Palisa, C.Sc.) a Krajska hygienicko-
epidemiologicka stanice zapadoceskeho kraje (zastupujici,
vedouci: MUDr. V.Tomecek).

ZDARIL, Jaroslav; KUBICKOVA, Olga; WAGNER, Vladimir; JEDLICKOVA, Zdenka;
MALY, Vladimir; VALCHOVA, Marie

The course of dysentery under the influence of different
methods of treatment. Vnitri lek. 11 no.1:59-67 Ja '65

1. Infekcni oddeleni Krajskeho ustavu narodniho zdravi, Plzen
(prednosta - dr. J. Zdaril); Mikrobiologicky ustav v Plzni
(prednosta - docent dr. Vladimir Wagner); Ustav organizac:
zdravotnictvi v Praze (prednosta - prof. dr. J. Prosek) a
Mikrobiologicke oddeleni, Krajska hygiecko-epidemiologicka
stanice, v Plzni (prednosta - dr. M. Valchova).

KOLAROVA, J.; ZDARIL, J.; VALCHOVA, M.; VILIM, V.

Botulism. Cesk.pediat.16 no.1:11-15 Ja '61.

1. Infekcni oddeleni KUNZ v Plzni, prednosta prim. dr. J.Zdaril
Krajska hygienicka stanice v Plzni, prednosta dr. V.Stastny.
(BOTULISM in inf & child)

ZDARIL, L.

Technological adaptability in designing small products, particularly toys.
p. 673

STROJIRENSTVI (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho
strojirenstvi a Ministerstvo automobiloveho pruvyslu a
zemedelskych stroju) Vol. 6, No. 10, Oct. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

ZDARIL, M.

PHASE I BOOK EXPLOITATION

CZECH/5373

Fremunt, Marcel, Vladimír Krejny, and Miroslav Zdaril

Konstrukce přípravků. Díl 2: Přípravky upínací (Construction of Jigs and Fixtures. pt. 2: Work-Holding Jigs and Fixtures) Prague, SNTL, 1960.
319 p. 2,000 copies printed.

Reviewer: Václav Krčmář; Chief Ed.: Ota Kraus; Resp. Ed.: Bohuslav Johan.

PURPOSE: This book is intended for fixture designers and process engineers. It may also be useful to students at mechanical-engineering high schools and schools of higher education.

COVERAGE: The book, Volume 2 of a three-volume edition, contains many examples of the constructions of manual, mechanized, and automatic fixtures for a variety of machine tools. Constructions with various work-holding elements and means, including pneumatic, hydraulic, hydroplastic (doughy plastics), and automatic devices, are presented. Attention is given to constructions of positioning units and to machining methods when using these devices in lot and mass production. Six books are recommended for those who wish to make a more intensive study of fixture design. Part I was written by Miroslav Zdaril; Vladimír Krejny, wrote Part II. The remainder of the book was written by Marcel Fremunt. No personalities are mentioned. There are no references.

Card 1/10

ZDARSA, L.

Mobilization of women for work in the building industry. p. 31.

Vol. 34, no. 3, Mar. 1956

STAVIVO

Praha, Czechoslovakia

Source: East European Accession List. Library of Congress

Vol. 5, No. 8, August 1956

ZDARSA, L.

Training and education of workers. p. 152.
STAVIVO, Praha, Vol. 33, no. 5, May 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

ZDARSKY, F.

where, when, and how to build on a collective farm. p. 9.
ROLNICKE HLASY. (Ministerstvo zemedelstvi. Hlavní aprava
jednotných zemědělských družstev) Praha. Vol. 10, no. 6,
June 1956.

SOURCE: EEAL LC Vol. 5, No. 10, Oct. 1956.

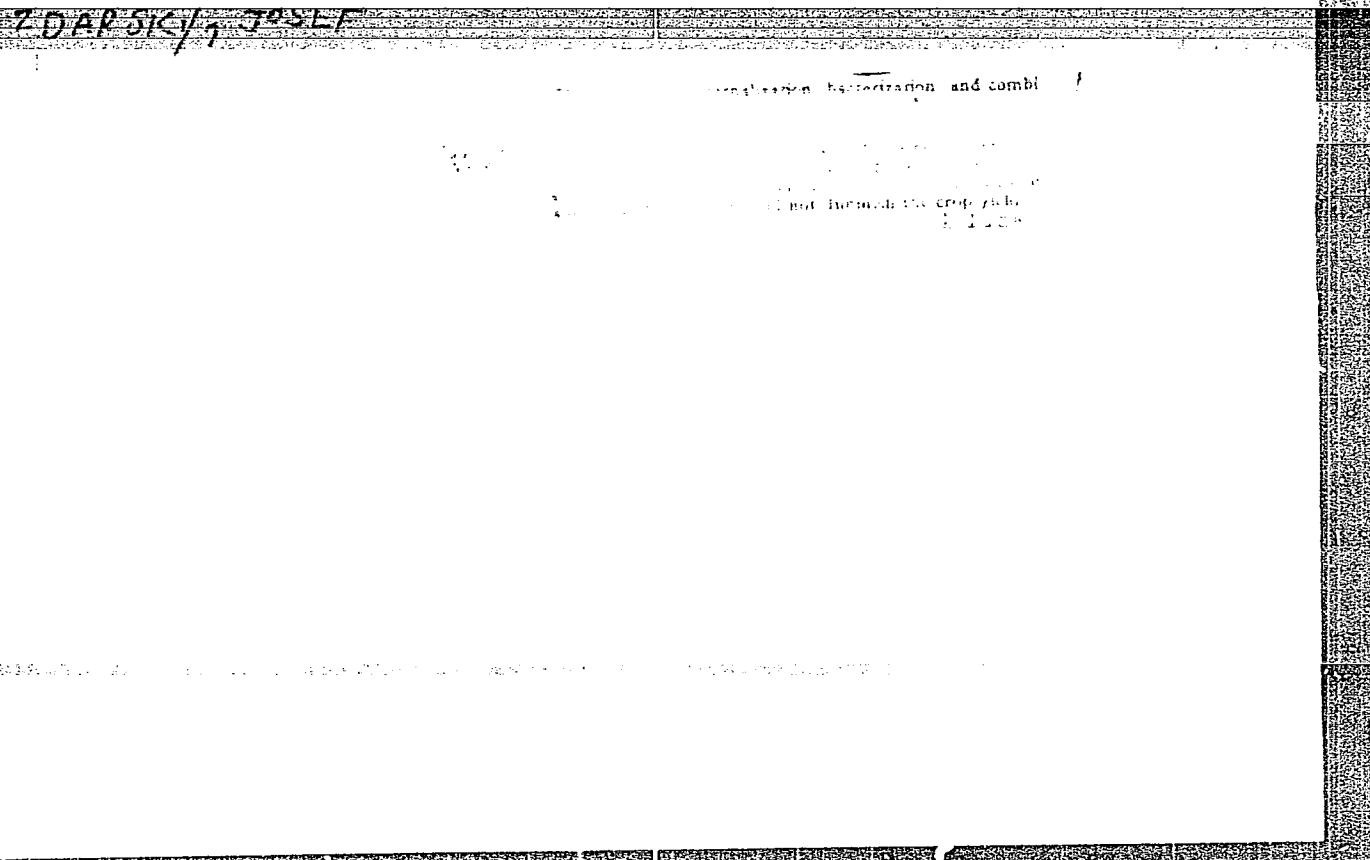
ZDARSKY, F.

Consultation meetings at a machine-tractor station should efficiently coupled with frequent visits to collective farms. p. 13.
ROLNICKE HLASY. (Ministerstvo zemedelstvi. Hlavni aprava jednotnych zemedelskych druzstev) Praha. Vol. 10, no. 6, June 1956.

SOURCE: EEAL IC Vol. 5, No. 10, Oct. 1956.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9



APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9"

3052. OXIDATION TEST FOR MINERAL OILS. Zdersky, J. and Hanak, L. (Chem. Obzor, 1949, vol. 24, 81-88; abstr. in chem. abstr., 1950, vol. 44, 4232-4233). Oxygen (250±10 ml.) free of O_3 is bubbled through 30 g. of oil for 2 hours at 140±0.5°. The heating bath consists of a cylindrical parafin bath inserted into another oil bath equipped with a stirrer and automatic heat control. To determine the residue (sludge) to oxidize oil is treated first with $CHCl_3$ and later with C_6H_6 free of C_6H_4S .

CA

AIAA-PETROLOGICAL LITERATURE CLASSIFICATION

SUBJ HELP ONLY CRT

ECON. BOMIN

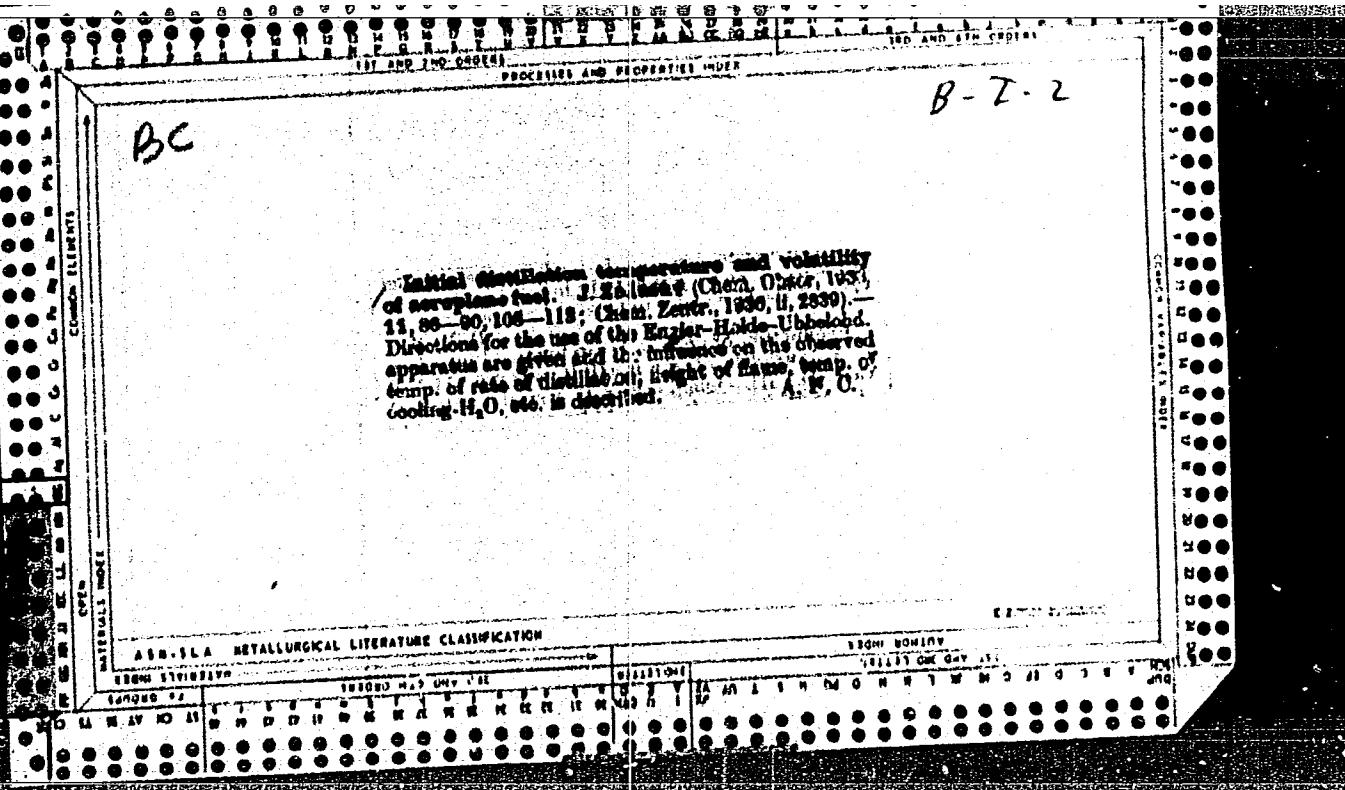
BRIEF CRT ONLY CRT

Corrosion of metals by long contact with ethyl alcohol and its mixture with gasoline. J. Zbarsky (Chem. Obzor, 1937, 12, 139-143).—Painted plates of Cu, Zn, brass, Al, Pb, Fe, Zn-coated Fe, and tinplate were totally immersed in practically H_2O -free EtOH, its mixture with 80 vol.-% of gasoline, and in the gasoline itself, in cork-stoppered containers for a total period of 1468 days. The appearances of liquids and specimens were noted from time to time, and the final losses in wt. ascertained. A second series was carried out using thin plates and rods of the alloys lautal, silumin, and electron, immersed in the above liquids and also in wet EtOH of 96.4% purity and in motor spirit for 275 days. In the first series the tinplate was the only specimen practically unaltered in all media, whereas the Pb gave the greatest coating (grey-black in colour) and loss in wt. Detailed descriptions of the changes of the other specimens are given. F. R.

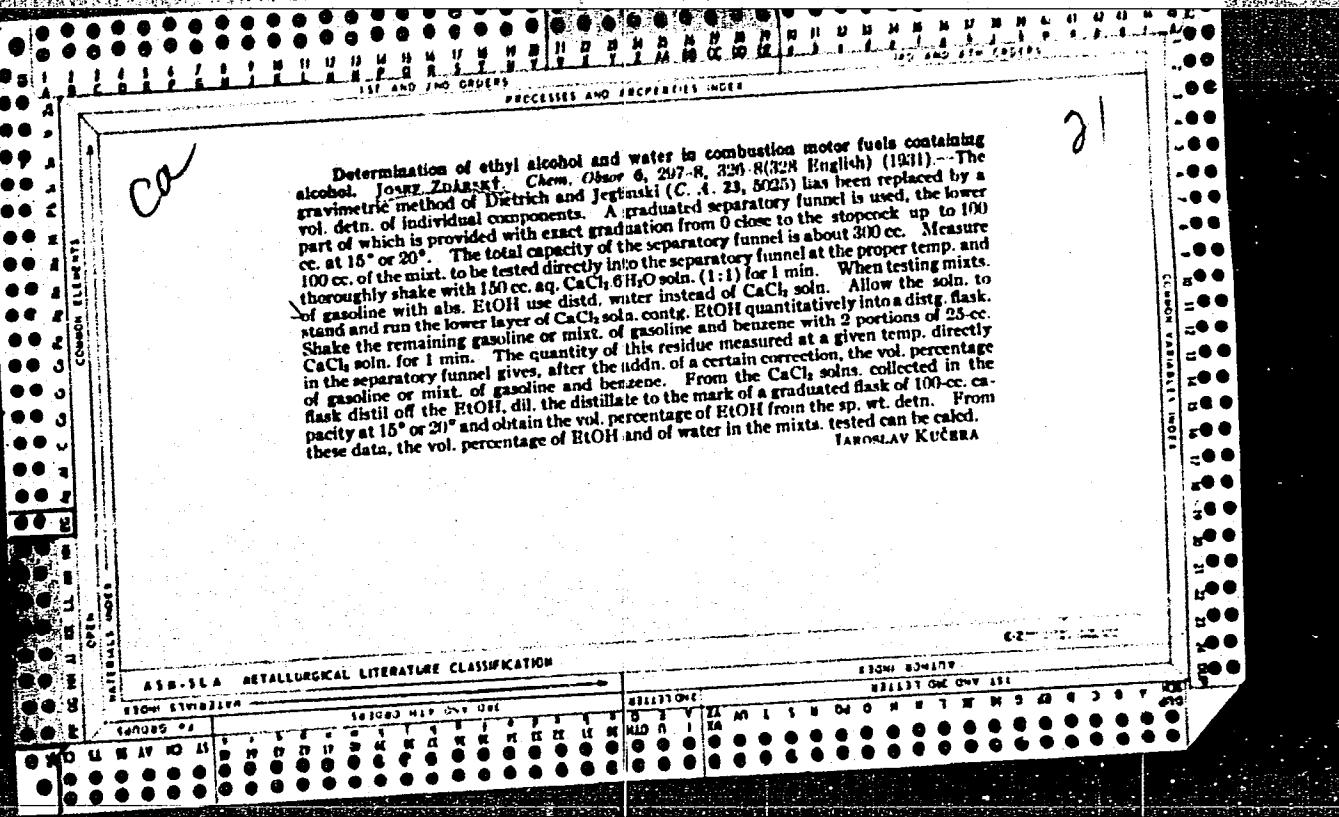
B-1-1

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9"



CH
Oxidation test for mineral oils. Josef Záhorský and
Ludvík Kuhák (Inst. Tech., Prague, Czechosl. Chem.
Obzor 24, 81-8(1949).—Oxygen (250 ± 10 ml.) free of O₂
is bubbled through 30 g. of oil for 12 hrs. at 140° ± 0.5°.
The heating bath consists of a cylindrical paraffin bath in-
serted into another oil bath equipped with a stirrer and
automatic heat control. To det. the residue (sludge) the
oxidized oil is treated first with CHCl₃ and later with C₆H₆
free of C₆H₅S.



ZDARSKY, Josef

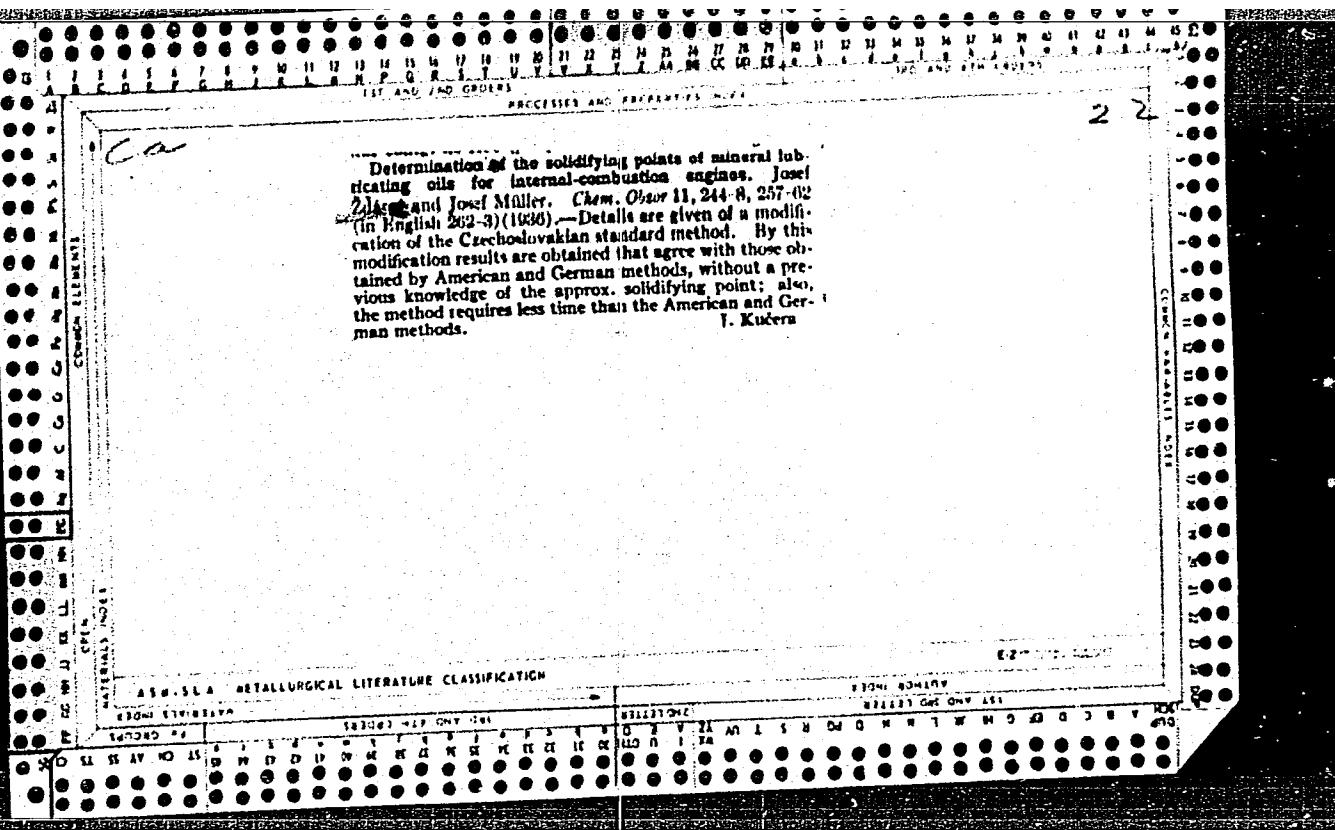
Variability of the root shape of sugar beets. Listy cukrovar
78 no.12:265-273 D '62.

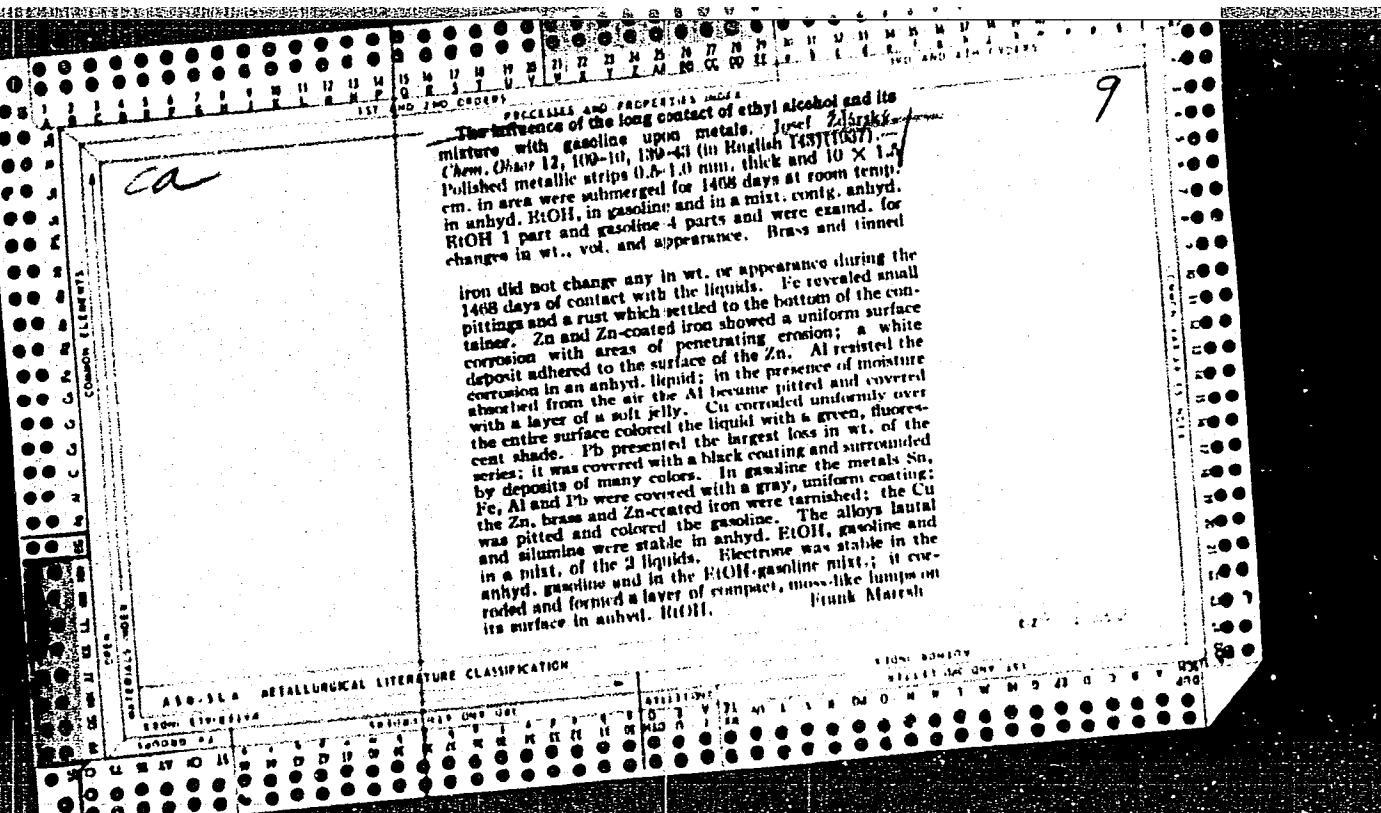
1. Katedra biologickych ved fakulty potravinarske technologie,
Vysoka skola chemicko-technologicka.

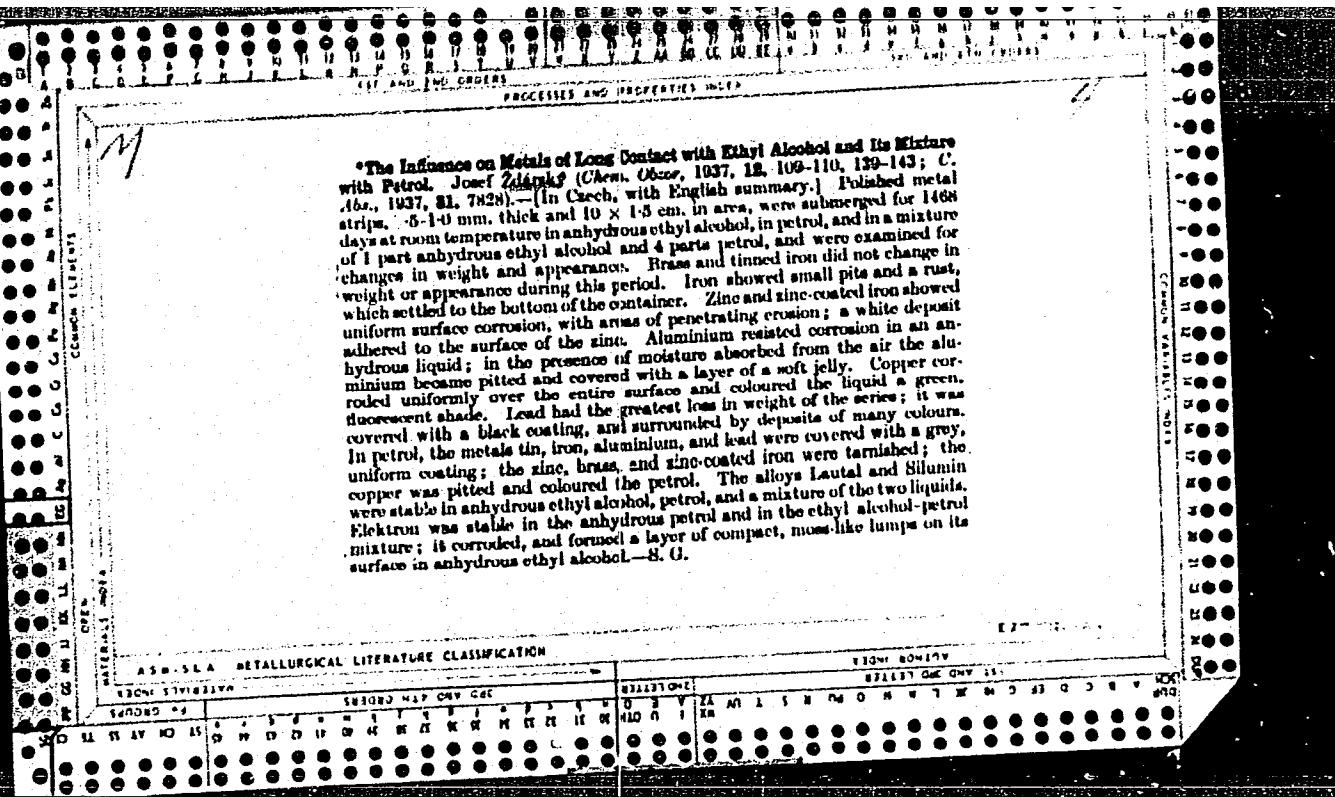
CA

22

The initial distillation point and volatility of aviation gasoline. Jozef Zdziarski. Chem. Osor 11, 80-90, 198-12(in English) [12-13] (1980).--Because the estn. of the initial distn. point depends too much on the conditions used, a series of tests were carried out in the Engler-Holde-Ubbelohde distn. app. with 2 thermometers, one placed as usual below the vapor outlet and one in the liquid just below the surface. Various factors in the distn. in the specified limit of 8-10 min. were investigated, the differences of temp. of liquid and gaseous phase not exceeding 2.5°. Recommendations are given as to the regulation and time of heating, and as to placing an iron cylinder with 2 mka windows around the distn. flask. Corrections are introduced for varying atm. pressure and room temp. A review of standard specifications in numerous countries is given. J. Kučera







ZDARSKY, Jcsef, promovany biolog CSc.

Biologic and physicomechanical properties of sugar beets from
the viewpoint of harvest mechanization. Zemedel techn 10
no.11:657-672 N '64.

1. Chair of Biologic Sciences of the Faculty of Food of the
Higher School of Chemical Technology, Prague.

M

Country : CZECHOSLOVAKIA
Category: Cultivated Plants. Commercial. Oil-Bearing.
Sugar-Bearing.

Abs Jour: RZhBiol., No 22, 1958, No 100405

Author : Zdarsky, Josef

Inst : Inst. of Sugar Beet Research

Title : On the Study of Variability in Sugar Beet.

Orig Pub: Listy cukrovarn., 1957, 73, No 6, 126-218

Abstract: No abstract.

Card : 1/1

ZDASYUK, K.

Despite the drought. Pozh.de lo 6 no.4;8 Ap '60. (MIRA 13:11)

1. Inspektor Upravleniya pozharnoy okhrany, Leningrad.
(Peat industry--Fires and fire prevention)

AKSEL'ROD, M., metodist; ZDASYUK, K.

Young fighters on the fire front. Pozh.delo 5 no.4:7 Ap '59.
(MIRA 12:5)

1. Oblastnoy otdel narodnogo obrazovaniya, Leningrad (for
Aksel'rod). 2. Inspektor Upravleniya pozharnoy okhrany,
Leningrad (for Zdasyuk).
(Fire prevention--Study and teaching)

ZDASYUK, K.
ZDASYUK, K.

Conference of chiefs of state farm brigades. Pozh. delo 4 no.2:5
(MIRA 11:1)
F '58. (Leningrad Province--State farms--Fire prevention)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9

ZDASYUK, K.

Assisting rural fire brigades, Pozh., de lo. 3 no. 7:12 Jl '57.
(Leningrad Province--Fire prevention) (MLRA 10:8)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9"

MANTROVA, Ye.Z.; ZDASYUK, V.I.

Changes in the carbohydrate and protein metabolism of tulip and
narcissus bulb due to the action of fertilizers. Nauch. dokl. vys.
shkoly; biol. nauki no.1:123-128 '60. (MIRA 13:2)

1. Rekomendovana Botanicheskim sadom Moskovskogo gosudarstvennogo
universiteta im. M.V. Lomonosova.
(Bulbs) (Plants, Ornamental--Fertilizers and manures)
(Plants--Metabolism)

MANTRROVA, Ye.Z.; ZDASYUK, V.I.

Fertilizing gladioli. Biul.Glav.bot.sada no.32:46-49 '58.
(MIRA 12:5)
1. Botanicheskiy sad Moskovskogo gosudarstvennogo universiteta
im. M.V.Lomonosova.
(Gladiolus--Fertilizers and manures)

ZDASYUK, V.I.

Effect of mineral fertilizers on the feeding of carnation and
its ornamental properties. Nauch. dokl. vys. shkoly; biol.
nauki no.3:138-142 '64 (MIRA 17:8)

1. Rekomendovana Botanicheskim sadom Moskovskogo gosudar-
stvennogo universiteta.

ZDAVIC, Emil, Major dr., Ftisiolog

~~Peripheral adenopathies with special reference to cases with specific etiology.~~ Med. arh., Sarajevo 9 no.6:57-62 Nov-Dec 55.

(LYMPH NODES, dis.
peripheral, etiol. (Ser))
(TUBERCULOSIS, LYMPH NODE,
peripheral, (Ser))

BUDOVICH, Makar Danilovich [Budovych, M.D.]; DECTYAR, Grigoriy
Andreyevich [Dehtiar, H.A.]; ZDATEVSKIY, Petr Petrovich
[Zdaievs'kyi, P.P.]; TURBINA, I.D., red.

[Experimental and training work in rabbit raising in school]
Navchal'no-doslidna robota z kroliivnytstva v shkoli. Kyiv,
Radians'ka shkola, 1963. 87 p. (MIRA 17:4)

DYK, T.; SOWINSKA, J.; ZDEB, A.

Acute myeloblastic crisis with cutaneous infiltrations in a case
of chronic myeloblastic leukemia. Pol. tyg. lek. 20 no.23:858-859
7 Je '65.

1. z III Kliniki Chorob Wewnętrznych AM w Gdansku (Kierownik:
prof. dr. med. M. Gamski) i z Oddziału Chorob Wewnętrznych
Szpitala Miejskiego w Elblagu (Ordynator: dr. med. A. Zdeb).

P/005/61/000/006/004/005
A076/A026

AUTHORS: Zdebik, J.; Zaleński, Cz.; Masters of Engineering

TITLE: Nitrogen Plant im. F. Dzierżyński in Tarnów Always First

PERIODICAL: Przegląd Techniczny, 1961, No. 6, pp. 8 - 9

TEXT: The authors outline the production history of the above plant and generally describe the products planned for 1961 - 1965. The authors list acrylonitrile, synthetic resins, polyvinyl chloride, ammonia synthesis. Half a million tons of nitrogen fertilizers are produced annually, 13,000 tons of synthetic fibres type orlon, about 18,000 tons of caprolactam, and about 80,000 tons of plastic products made of polyvinyl chloride. All new products will be based on natural gas as the basic raw material. The plant will be expanded and new production sections built equipped with most modern machines and natural gas processing installations made either in Poland or abroad. The expansion will cost about 6 billion złoty; of this amount 50% will be spent by 1965. New technological processes will be introduced and technical progress will be intensified. ✓

Card 1/1

POLAND

GROCHOWSKI, Jan and ZDEBSKA, Eugenia, Second Surgical Clinic
(II Klinika Chirurgiczna), AM [Akademia Medyczna, Medical
Academy] in Krakow (Director: Prof. Dr. J. OSZACKI)

"Total Congenital Sternum Bifidum."

Warsaw-Krakow, Przeglad Lekarski, Vol 19, Ser II, No 5, 22
May 63, pp 261-262

Abstract: [Authors' English summary] The authors report and
describe a rare case of congenital defect, total sternum
bifidum, with an extensive skin defect, and partial displace-
ment of the heart. In the first stage of treatment they
eliminated the skin defect, and expect to carry out the
second stage of treatment (suture of the fissured sternum)
when the child is three months old. There are eight (8)
references, all to English publications.

1/1

SOWINSKA, Barbara; ZDEBSKA, Eugenia

Electrophoretic blood protein changes in hematogenous osteitis
in children. Pol. przegl. chir. 36 no.1:71-75 Ja'64

1. Z II Kliniki Chirurgicznej AM w Krakowie; kierownik: prof.
dr. J.Oszacki.

*

GROCHOWSKI, Jan; ZDEBSKA, Eugenia

Surgical treatment of the incomplete congenital cleft sternum
in a newborn infant. Przegl. lek. 21 no.6:441-442 '65.

l. Z II Kliniki Chirurgicznej AM w Krakowie (Kierownik: Prof.
dr. med. J. Oszacki).

LEWANDOWSKA, Janina; ZDEBSKA, Eugenia

Rupture of gastric ulcer in an infant. Pol. przegl. chir. 37
no.7:722-724 Jl '65.

1. Z II Kliniki Chorob Dzieci AM w Krakowie (Kierownik: prof.
dr. B. Halikowski) i z II Kliniki Chirurgicznej AM w Krakowie
(Kierownik: prof. dr. J. Oszacki).

ZDEBSKA, Stanisława; RUDZINSKA, Barbara

Mental health of children and adolescents according to our
observations. Pediat. pol. 38 no.11:979-986 N '63.

1. Z Poradni Zdrowia Psychicznego w Nowej Hucie Kierownik:
dr St. Zielinski.

(MENTAL HYGIENE) (MENTAL DISORDERS)
(STATISTICS) (NEUROLOGY)
(ADOLESCENT PSYCHOLOGY)

VONSKOVA, M.; ZDEBSKAYA, Ya.

Conservation of nature during the lessons and in extracurricular
work on biology in the school of Poland. Biol. v shkole
no.4: 59-61 Jl-Ag '61. (MIRA 14:7)
(Poland--Natural resources--Study and teaching)

KLIMEK, Rudolf; MATUSZEWSKI, Henryk; ZDEBSKI, Zbigniew

Remote puerperal endocrinological disorders. Ginek. Pol. 35 no.2:
251-256 Mr-Ap '64.

1. Z I Kliniki Położnictwa i Chorob Kobiecych Akademii Medycznej
w Krakowie (Kierownik: prof. dr. med. S. Schwarz).

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9

FORENBACHER, S.J., ZDELAR, F.J., KNAPP, K.

Review of periodicals; veterinary medicine. Bul sa Vozg 9 no.4/5:
149 Ag-0 '64.

1. Clinic of Internal Diseases of the Veterinary Faculty, Zagreb.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9"

ZAVAZAL, Vladimir, MUDr.; MALÝ, Vladimír, Mg., Mat.; KAZMAR, Antonín, MUDr.;
Technická spolupráce: Zdena Konstantová.

Epidemiology and prevention of tetanus. I. Epidemiological study
of tetanus in the Districts. Šhorn. lek. 58 no. 7:149-160 Sept 56.

1. Ustav pro mikrobiologii Lekarske fakulty v Praze, pob. v Plzni,
prednosta doc. Dr. Vlad Wagner - Ustav organizace zdravotnictvi
Lekarske fakulty v Praze, prednosta prof. Dr. Václav Prosek - KHKES,
epidemiologické oddelení v Plzni, tehdejší prednosta Dr. Antonín Kazmar.
(TETANUS, epidemiol.
in Czech. (Cz))

S/274/63/000/001/020/020
D469/D308

AUTHORS: Poljak, Nikolaj, Zdenek, Adam and Sramek, Josef

TITLE: Method of holding telephone repeaters by calls coming from different directions

PERIODICAL: Referativnyy zhurnal, Radiotekhnika i elektronika i elektronika svyazi', no. 1, 1963, 12, abstract 1V54 P (Czech pat., cl. 21 a³, 45; 21 a³, 59/01; 21 a³ 59/10, no. 96043, Jul. 15, 1960)

TEXT: The patented method is for holding telephone repeaters by calls in interurban automatic telephone exchanges. The method is distinguished by the fact that in order to ensure a uniform distribution of incoming calls, the possibility of holding the repeater in previously selected directions is automatically changed according to the state of other repeaters of the same group. A pilot repeater circuit passes through a contact relay whose position depends on the state of all other repeaters included in the given group.

1 figure.

Abstracter's note: Complete translation

Card 1/1

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9

ZDENEK, Dalibor, inz.

Trends in the cooling of large alternating current motors. El tech
obzor 52 no.3:155 Mr '63.

1. Ceskomoravska-Kolben-Danek, Praha.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9"

ZDENEK, Dalibor

Theorie telesne vychovy. 2./cast/. Organisace telesne vychovy. (Theory of Physical Education. Vol. 2. Organization of Physical Education; a university textbook. 1st ed. bibl.) For the students of the School of Education. Prague SPN, 1957. 77 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 33. 24 Sept 57. p. 694.

ZDENEK, Dalibor, inz.

Trends in the cooling of large alternating current motors.
El tech obzor 51 no.9:451-463 S '62.

1. Ceskomoravska-Kolben-Danek Praha, n.p., zavod Elektrotechnika.

ZDENEK DNITL
CZECHOSLOVAKIA/Optics - Physical Optics

K-5

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 1942

Author : Dnittl Zdenek

Inst : Not Given

Title : The Use of the Principle of Reversibility in Deriving Known
Relations for a System of Optical Thin Films.

Orig Pub : Cheskosl. fiz. zh., 1957, 7, No 4, 427-431

Abstract : An examination was made of the use of the optical principle
of reversibility of Stokes in a brief derivation of the for-
rules for the amplitudes and phases in refraction and re-
flection of light from a system of non-absorbing thin
layers.

Yu. Gotlib

Card : 1/1

72

ZDENEK, F.

CZECHOSLOVAKIA/Magnetism - Magnetic Resonance

F-5

Abs Jour : Ref Zhur - Fizika, No 1, 1958, 1209

Author : Frait Zdenek

Inst : Physics Institute, Czechoslovak Academy of Sciences,
Prague.

Title : Ferromagnetic Resonance in Certain Iron-Nickel Alloys

Orig Pub : Chekhosl. fiz. zh., 1957, № 2, 246

Abstract : The author has measured the values of the relaxation time, and the maximum of the real part of the magnetic permeability for Fe-Ni alloys with a nickel content of 79, 48 and 37% by weight at $\lambda \sim 3$ cm. The measurements were made by the method of the cavity resonator in the H_{012} mode. The processing of the experimental data was by the method developed by Pil'shchikov (Referat Zhur Fizika, 1956, No 23031). The accuracy of the results is

Card 1/2

Card 2/2

CZECHOSLOVAKIA/Magnetism - Magnetic Resonance

F-5

Abs Jour : Ref Zhur - Fizika, No 1, 1958, 1210
Author : Frait Zdenek
Inst :
Title : Ferromagnetic Resonance in Certain Iron-Nickel Alloys.
Orig Pub : Ceskosl. casop. fys., 1957, 7, No 2, 221-222
Abstract : See Abstract 1209.

Card 1/1

DUFEK, Vladimir; HASA, Jan; ZDENEK, Funk

Q-T wave in rheumatic fever. Cas.lek.cesk. 99 no.20/21;644-647
20 My '60.

1. I vnitrní oddelení UVN, nacelník plk. C.Sc.doc. MUDr. Dufek
Vladimir - II. vnitrní oddelení UVN, nacelník gen. MUDr.
Smrká Jiri.

(ELECTROCARDIOGRAPHY)
(RHEUMATIC FEVER diag.)

ZDENEK, GREGOR

Czechoslovakia/Physics of the Atmosphere - Synoptic Meteorology and Climatology, M-3

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36131

Author: Gregor Zdenek

Institution: None

Title: Analysis of Synoptic Situation Accompanied by Hurricane in the Czechoslovak Republic on 17 January 1955

Original Periodical: Meteorol. Spravy, 1955, 8, No 3, 80-82; Czech; Russian résumé

Abstract: The cyclone moving over the Atlantic Ocean from Bermuda to the north-east was regenerated at the arctic front over the British Isles and penetrated the European continent. An analysis of the dynamic variations of the pressure is given with the aid of the advective-dynamic method and the Sutcliffe method; a comparison is made of the results of both methods.

Card 1/1

ZDENEK, Harnach

Position of orthopedics and traumatology in regard to general surgery
in USSR. Acta chir. orthop. traum. cech. 25 no.4:329-330 July 58.

1. Ortopedicka klinika univerzity v Brne, prednosta prof. dr. lek.
ved. B. Frejka Dojny z navštěvy Kyjeva, Leningradu a Moskvy v ríjnu
a prosinci 1955 a navštěvy Moskvy v březnu 1957.

(ORTHOPEDICS,
in Russia (Cz))
(SURGERY, OPERATIVE,
in Russia (Cz))

ROSKOTA, Stanislav; ZDENEK, Milos, inz.

The 27th General Meeting of the International Electronical
Commission in Bucharest. Normalizace-11 ne.4:122 Ap '63.

1. Urad pro normalizaci a mereni, Praha.

ZDENEK, Milos, inz.

Czechoslovak Standard 35 8325: Polystyrene condensers.
Normalizace 12 no. 3: 78 Mr '64.

Czechoslovak Standard 73 0535: Measurement of the
sound absorption coefficient in a reverberation chamber.
Ibid.:79.

1. Office of Standardization and Measurement.

ZDENEK, Milos, inz.

Czechoslovak Standard 73 0525: Designing in the field of
space acoustics. Normalizace 12 no. 4: 101 Ap '64.

1. Office of Standardization and Measurement, Prague.

ZDENEK, Milos, inz.

Czechoslovak Standard 30 Q512: Measurement of the external noise
of road motor vehicles. Normalizace 12 no.6:162 Je '64

Czechoslovak Standard 01 1601: Frequencies for acoustic measurement.
Ibid.:166

1. Office of Standardization and Measurement, Prague.

ZDENEK, Milos, inz.

Eighth Plenary Meeting of Technical Committee 43, Acoustics,
of the International Organization for Standardization.
Normalizace 13 no.2:59 F '65.

Czechoslovak Standard 35 8000: Nomenclature of components for
electrical engineering. Ibid.:60

1. Office of Standardization and Measurement, Prague.

ZDENEK, Milos. inz.

Meetings of Technical Commission 29 Electroacoustics and
Subcommission 29A Sound Recording of the International
Electrotechnical Commission. Normalizace 13 no.3:93-94
Mr '65.

1. Office of Standardization and Measurement, Prague.

ZDENEK, Milos, inz.

Meeting of the No.11 Working Group for Artificial Ears, Mouths,
and Voices affiliated with Technical Committee No.29 of
Electroacoustics of the International Electrotechnical Commission.
Normalizice 13 no.4:137-138 Ap '65.

Czechoslovak Standard O1 1304: Values, Units, and Symbols in
Acoustics, and Czechoslovak Standard O1 1600: Acoustic
Nomenclature. Ibid.:143

1. Office of Standardization and Measurement, Prague.

ZDENEK, Miroslav, inz.

Protection of wood from fire by impregnation in Czechoslovakia.
Drevo 17 no.6:173-177 Je '62.

1. Vyzkumny a vyvojovy ustav drevarsky, pracoviste Breznice.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9

ZDENEK, Urban, student IV kursa

Bolt anchoring. Nauch.rab.stud. GNSO MGI no.5:69-85 '57.
(MIRA 11:11)

(Mine roof bolting)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964210009-9"

ZDENEK, V.

Photometric determination of aluminum in water by means of aluminum. p. 35.
(Voda, Vol. 36, No. 2, Feb 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

BRODSKY, Artur, inz.; ZDENEK, Vladislav, inz.; NOVAK, Jan, inz.

First operational experience with the CMII water clarifier
in our plants. Energetika Čs 11 no.7:335-338 Jl '61.

Zdenek, V.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Water Treatment. Sewage.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 31770.

Author : Zdenek, V.

Inst : Not given.

Title : Photometric Determination of Aluminum in Water with the Aid of Aluminon.

Orig Pub: Voda, 1957, 36, No 2, 35-36.

Abstract: To 100 ml. of water, 4 ml. of a buffer solution (100 g. of acetic anhydride in 500 ml. of water in the presence of NH₄OH) and 4 ml. of an aluminon solution (0.1 g. of aurin tricarboxylic acid and filled with water to make 100 ml.) are added. The mixture is stirred for 15 minutes

Card 1/2

184

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications.
Corrosion. Corrosion Control.

Abs Jour : Ref Zhur-Khimia, No 6, 1959, 19774

Author : Zdenek, Vl.

Inst :

Title : Chemical Analysis of Boiler Deposits and Products of Corrosion.

Orig Pub : Energetika (Ceskosl.), 1958, 8, No 4,
150-155

Abstract : Simultaneous and accurate analysis of boiler deposits and corrosion products provides a possibility for determining the causes for their appearance and for taking measures for their elimination.

Card : 1/2

ZDENEK, V.

"Chemical analysis of boiler scale and corrosion products."

p. 150 (Energetika, Vol. 8, no. 4, Apr. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LG, Vol. 7, no. 9,
September 1958

ZDENEK, V.

Czechoslovakia /Chemical Technology. Chemical Products H-5
and Their Application
Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1648

Author : Zdenek V.

Title : Colorimetric Determination of Monohydric Phenols

Orig Pub: Voda, 1956, 35, No 10, 333-334

Abstract: To increase the accuracy of determination of phenols by the method of Khinden as modified by Khil'pert and Gille /transliterated spelling of all 3 names/ the following procedure is proposed. To 50 ml of the sample are added 1 drop of concentrated HCl and 5 ml of the solution being diazotized (20 mg NaNO₂ dissolved in 100 ml of 0.0002 M solution of p-nitroaniline). Neutralized with 2.5 ml of Na₂CO₃ solution (10.6 g Na₂CO₃ in

Card 1/2